

**ONCOLOGY (ONC)
TECHNICAL MANUAL
AND
PACKAGE SECURITY GUIDE**



Version 2.2

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Office of Information and Technology (OI&T)

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Revision History

When updates occur, the Title Page lists the new revised date, and this page describes the changes. Bookmarks link the described content changes to its place within manual. There are no bookmarks for format updates. Page numbers change with each update; therefore, they are not included as a reference in the Revision History.

Date	Patch	Description
November 2023	ONC*2.2*18	Routines Table of Contents
June 2023	ONC*2.2*17	Routines , Exported Options , Table of Contents
April 2023	ONC*2.2*16	Routines Table of Contents
October 2022	ONC*2.2*15	Routines Table of Contents
March 2022	ONC*2.2*14	New pre and post installation routines for Patch ONC*2.2*14 Routines , Technical References Table of Contents
December 2021	ONC*2.2*13	New routines and files for changes related to NAACCR Standards Vol II Version 2021 Metafile 21B Files , File Descriptions , Routines Table of Contents
October 2020	ONC*2.2*12	New routines for changes related to NAACCR Standards Vol II Version 2018 Metafile 18D Routines Templates, Table of Contents
April 2020	ONC*2.2*10	Files , File Descriptions , Routines New fields, files and routines for changes related to NAACCR Standards Vol II Version 2018 and AJCC 8 TH Edition Staging
September 2017	ONC*2.2*6	Files , File Descriptions , Routines ONCOLOGY STAGED BY CODES (#165.7) added to Files Section, Package Default Definition, and File Security. Added information about upgrading NAACCR Versions in Appendix A. ROUTINES updated to include current ONC ROUTINES.

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1. Introduction

The VA Automated Tumor Registry for Oncology is written in standard M and VA FileMan. This package has four unique files: the Site-Group for Oncology file, the AJCC Staging Groups file, and the ICDO Topography, and ICDO Morphology files. These files are tied together to create site-specific topography, morphology, and extent of disease coding as defined in the Surveillance, Epidemiology, and End Results Reporting (SEER) Program, the American College of Surgeons (ACOS) cancer-directed codes, and the conventions of the AJCC TNM coding schemes. Once a general site group is selected, all related relevant codes are available as on-line help to the user, reducing the possibility of coding errors.

Additional features include automatic case finding that identifies patients diagnosed with malignancies and the ability to document follow-up (required annually by the ACOS) and track delinquent follow-up cases.

Users may generate several reports for running the registry by using the Registry Lists, Annual Reports, and Statistical Reports modules.

2. Implementation and Maintenance

2.1. Implementation

2.1.1. Oncology Namespace

The namespace ONC is assigned to all menus and options of Tumor Registry. All Oncology routines and globals start with these characters.

All Oncology compiled template routines begin with the ONCO namespace, followed by the X*, Y*, and W* characters.

2.1.2. File Numbering

Oncology is assigned Files #160 through #160.99 and files #164 through #169.99.

2.1.3. Global

Oncology uses the ^ONCO global to store all files. Journaling is recommended on this global.

2.1.4. Routines

Routine mapping is not necessary for any Oncology routines.

2.1.5. Security Keys

There are no security keys used in the Oncology package.

2.1.6. Option Delegation

Give the Oncology Site Manager Menu [ONCO #SITE MANAGER MENU] to the IRM staff or package ADPAC.

Give the DHCP Tumor Registry menu [ONCO * TUMOR REGISTRY MENU] to Tumor Registry users.

2.1.7. Site Parameters

The Define Tumor Registry Parameters [ONCO UTIL-SITE PARAMETERS] option is located under the user's Utility Options [ONCO UTIL MENU] within the DHCP Tumor Registry menu [ONCO *TUMOR REGISTRY MENU]. The option can be populated by the Tumor Registrars. (See the user manual for details.)

2.2. Maintenance

2.2.1. Oncology Site Manager Menu

The Oncology Site Manager Menu option should be assigned to the IRM specialist responsible for Oncology. Below is a description of each of the menu's functions:

2.2.1.1. DHCP Tumor Registry [ONCO*TUMOR REGISTRY MENU]

This is the main menu of the Oncology Tumor Registry module. At present it has seven menu items consisting of the functions of the Tumor Registry. These are Suspense, Abstracting, Lists, Follow-up, Annual Reporting, Statistics, and Utilities.

2.2.1.2. Retrieve Internal Patient Pointers [ONCO #SITE-INTERNAL POINTERS]

This is a utility program to retrieve internal pointers for an entry in the Oncology Patient file (#160). Using the variable pointer in Oncology Patient and the backwards pointers in the Oncology Primary file (#165.5) to Oncology Patient, this option will repair all missing pointers upon selection of an entry in Oncology Patient.

2.2.1.3. Reindex Data Files (160, 165.5, 165) [ONCO #SITE-REINDEX DATA FILES]

This re-indexes all cross-references for Oncology data files (Oncology Patient #160, Oncology Contact #165, and Oncology Primary #165.5) with one selection.

2.2.1.4. Correct Next Follow-Up for Expired Patients [ONCO #SITE-FIX EXP PAT F/U]

This option searches all FOLLOW-UP multiples (#400) on the Oncology Patient file (#160) looking for expired patients. It then makes sure that the NEXT FOLLOW-UP METHOD sub-field (#6) is set to "9" (not followed).

2.2.1.5. Recompute AJCC TNM Staging [ONCO #SITE-RESTAGE PRIMARY]

This option is no longer available.

2.2.1.6. Purge Patient Records with No Suspense/Primaries [ONCO #SITE-PURGE SUSPENSE]

This option drives through the Oncology Patient file (#160) looking for records that have no suspense date and no associated primaries. Upon confirmation from the user, it deletes these records from the file.

2.2.1.7. Create a report to preview ACOS output [ONCO #SITE-CREATE ACOS REPORT]

This is a report which allows the tumor registrar to preview the contents of the specified accessions intended for output to the ACOS disk. This option is independent of the disk capture function but uses the precise database selection criteria. This option is also found under the Utility Options.

2.2.1.8. Report of assessments requiring additional input [ONCO #SITE ERROR REPORT]

This is a report for the tumor registrar to examine the specified accession of tumors for completeness in terms of ACOS required fields. Only accessions which have no data in the required field set will be listed with the fields which have the discrepancy. This option is also found under the Utility Options.

3. Files

There are three (3) Oncology files which contain data relevant to the cancer patient: the Oncology Patient file (#160), the Oncology Primary file (#165.5), and the Oncology Contact file (#165). These are used extensively in the Annual and Statistical Reports menus.

The Oncology Patient file is a variable pointer file, which points to both the VISTA Patient file (#2) and the Referral Patient file (#67) (for deceased patients). It contains data relative to the patient's demographics. The data does not change with each cancer. Fields that have ACOS specific codes, such as race, ethnicity, and place of birth, are converted and stored in this file. Patient history relevant to cancer (e.g., alcohol and tobacco, occupation, and family cancer history), as well as follow-up history, reside in this file.

The Oncology Primary file, or "cancer-case" file, contains all the cancer cases in the registry. There is a backwards pointer to the Oncology Patient file with a many-to-one relationship between cancers and patient. Data elements in this file uniquely define the tumor, the extent of disease, first course of treatment accorded, and all recurrence information. Pointers to the Oncology coding data files containing all codes pertinent to the definition of the tumor are widely used.

The Oncology Contact file holds all patient contact information and is used in conjunction with the Follow-up Form Letter file and the Oncology Site Parameters file to produce professional quality letters on either a dot matrix or laser printer.

3.1. File Descriptions

File Name	Number	Description
ONCOLOGY PATIENT	160	Demographic and follow-up data concerning Oncology patients is stored in this file. (Tumor-related data is stored in the Primary file). Data is NOT exported with this file. The file is populated on site.
ONCOLOGY SITE PARAMETERS	160.1	This file contains fields unique to the facility. They are used in follow-up and enable ACOS reporting. Data is input at the facility by the user and should be the first file that is populated before any other data is collected.
TYPE OF RECURRENCE	160.12	This file contains types of recurrence. The term "recurrence" defines the return or reappearance of the cancer after a disease-free intermission or remission.

NON CANCER-DIRECTED SURGERY	160.14	This file contains surgical procedures that are performed to diagnose/stage disease (exploratory) or relieve symptoms (palliative).
ACOS STATE AT DIAGNOSIS	160.15	This file contains the states and Canadian provinces used for the patient's usual residence when the tumor was diagnosed and treated.
ONCOLOGY DATA EXTRACT FORMAT	160.16	This file contains the Oncology Data Extract Formats.
ONCOLOGY PCE EXTRACT FORMAT	160.17	This file contains the Oncology PCE Extract Formats.
FACILITY	160.19	This file contains 5000+ medical locations (American College of Surgeons identification number) nationwide.
FORMS/INSTRUCTIONS	160.2	This file contains forms used by the Tumor Registry as well as on-line instructions for procedures that must be followed such as making a disk for ACOS.
PRIMARY PAYOR AT DIAGNOSIS	160.3	This file contains the patients' primary payor/insurance carriers at the time of initial diagnosis and/or treatment. The file is populated at the site.
RECONSTRUCTIVE SURGERY	160.4	This file contains types of reconstructive surgery. Reconstructive surgery reconstructs, restores, or improves the shape and appearance or function of body structures that are missing, defective, damaged, or misshapen by cancer or cancer-directed therapies. Reconstruction may be a part of the first course of therapy or may be done after the first course is completed.
SURGICAL APPROACH	160.6	This file contains surgical approaches. The data is used to record information on the increasing use of less invasive procedures. The data will make possible a comparative analysis of traditional and laparoscopic approaches.
ICDO TOPOGRAPHY	164	This file contains the Complete ICDO-2 Topography, with site specific coding for Extent of Disease and AJCC Staging. This file comes

		with data, which overwrite the site's data. It is not recommended that sites modify this file.
ICDO-SITES	164.08	This file contains the parent ICDO-2 Groups for the ICDO-2 Topography codes. It is pointed to by File #164, providing a simple list of code groups.
ICDO MORPHOLOGY ICDO-2	164.1	This file contains the World Health Organization's International Classification of Diseases-Oncology codes including /2's. This file comes with data, which overwrite the site's data. It is not recommended that sites modify this file.
ICDO SITE GROUPS FOR REPORTING	164.14	This file, pointed to by the ICDO-SITES file (#164.08), facilitates the production of the Annual Registry Summary Report. This file comes with data, which overwrite the site's data. It is not recommended that sites modify this file.
TUMOR MARKERS	164.15	This file contains the set of codes used by the <i>ACOS Commission on Cancer Data Acquisition Manual</i> to record the use of tumor markers in tracking neoplasms of the breast. This file comes with data, which overwrite the site's data. It is not recommended that sites modify this file.
KARNOFSKY'S RATING	164.17	This file lists the physical conditions of patients prior to the beginning of initial treatment using Karnofsky's Rating.
CHEMOTHERAPEUTIC DRUGS	164.18	Chemotherapeutic drugs as listed in SEER SELF-INSTRUCTIONAL MANUAL FOR TUMOR REGISTRARS Book 8 - ANTINEOPLASTIC DRUGS Third Edition
SITE-GROUP FOR ONCOLOGY	164.2	This file contains major site-groups for the Oncology package. It contains all the ACOS Site-Specific Surgery Codes. In addition, it also contains the SEER Extension and Lymph node coding - sharing that function with File #164. The "F" cross-reference of the TOPOGRAPHY field (#.01) of the TOPOGRAPHY multiple (#10) sets an index under ^ONCO(164.2,"F"). An index under ^ONCO(164.2,"G") is set by both the "G" cross-reference of the ICDO-1 TOPOGRAPHY field (#.02) of the TOPOGRAPHY multiple (#10),

and by the "AC" cross-reference of the TOPOGRAPHY field (#.01) of the TOPOGRAPHY multiple (#10) of the ICDO-1 Site For Oncology file (#169.2).

OTHER STAGING FOR ONCOLOGY	164.3	This file contains other methods of staging for particular sites. Data comes with the file and will overwrite data in field.
AJCC STAGING GROUPS	164.33	This file contains the AJCC Staging Groups and the TNM coding schema. This file should not be modified.
COMMON CANCERS	164.4	This file contains a list of common cancers (data file).
PRIMARY CANCER STATUS CODE	164.42	This file contains a superset of the DAM Cancer Status Codes for use in identifying tumor status at follow-up on the Oncology Primary file (#165.5). The extended codes (4-7) help the registrar to record more completely the overall cancer status of an expired patient. This file comes with data, which overwrite the site's data. It is not recommended that sites modify this file. This file is referenced directly by routine ONCOCOFA.
GRADE	164.43	This file contains codes used to record the grade of tumor in the GRADE field (#24) of the Oncology Primary file (#165.5). This file comes with data, which overwrite the site's data. It is not recommended that sites modify this file.
ONCOLOGY GRADE TABLES	164.44	This file contains the Grade Codes for the Grade Clinical, Grade Pathologic, Grade Post-Therapy (yc) and Grade Post Therapy (yp) fields.
AJCC STAGE GROUP	164.45	This file contains transforms for converting AJCC stage data from internal to external format and vice versa. This file comes with data, which overwrite the site's data. It is not recommended that sites modify this file. This file is referenced directly by routine ONCOTNS.
RACE CODE FOR ONCOLOGY	164.46	This file contains codes used to record the patient's race in the RACE field (#8) of the Oncology Patient file (#160). The codes are derived from the

		ACOS Data Acquisition Manual. This file comes with data, which overwrite the site's data. It is not recommended that sites modify this file.
ONCOLOGY SCHEMA DISCRIMINATOR CODES	164.47	This file contains the Schema Discriminator 1, 2 and 3 codes used by NAACCR.
PATIENT CANCER STATUS CODE	164.48	This file contains the codes used by the <i>ACOS Data Acquisition Manual</i> for identifying patient cancer status. This file comes with data, which overwrite the site's data. It is not recommended that sites modify this file.
SEER CODE SET	164.5	This file contains extension, lymph node, and surgery codes from the SEER Extent of Disease Codes and Coding Instructions. Each set of codes can be linked to code sets from future editions. This file is referenced directly by routines ONCODEL (for extension and lymph node codes) and ONCODSR (for surgery codes). This file comes with data, which overwrite the site's data. It is not advised that sites modify this file.
ONC CS METS AT DX	164.51	Identifies the distant site(s) of metastatic involvement at time of diagnosis.
ONC CS SITE-SPECIFIC FACTORS	164.52	Identifies additional information needed to generate stage, or prognostic factors that have an effect on stage or survival.
ONC CS EXTENSION	164.53	Identifies contiguous growth (extension) of the primary tumor within the organ of origin or its direct extension into neighboring organs.
ONC CS LYMPH NODES	164.55	Identifies the regional lymph nodes involved with cancer at the time of diagnosis.
TYPE OF STAGING SYSTEM (PEDIATRIC)	164.6	The Commission requires staging of pediatric patients using AJCC or the staging criteria of the pediatric intergroup studies and the pediatric cooperative groups.
RADIATION TREATMENT VOLUME	164.7	This file contains the radiation treatment volume codes.

RADIATION COMPLETION STATUS	164.8	This file contains radiation completion statuses.
ONCO RADIATION EXTERNAL BEAM	164.81	This file contains the codes and descriptions used for the NAACCR Phase I, II and III Radiation External Beam Planning fields.
ONCO RADIATION TREATMENT VOLUME	164.82	This file contains the codes and descriptions used for the NAACCR Phase I, II and III Radiation Treatment Volume fields.
ONCO RADIATION TO DRAINING LN	164.83	This file contains the codes and descriptions used for the NAACCR Phase I, II and III Radiation to Draining Lymph Node fields.
ONCO RADIATION TREATMENT MODALITY	164.84	This file contains the codes and descriptions used for the NAACCR Phase I, II and III Radiation Treatment Modality fields.
WHO HISTOLOGICAL CLASSIFICATION	164.9	This file contains the WHO histological classification of tumor codes for tumors of the brain and central nervous system.
ONCOLOGY CONTACT	165	This file contains Oncology contacts. It is populated by the user and, in some part, automatically by the Follow-up options. It is used only for patient follow-up.
FOLLOW-UP FORM LETTER	165.1	This file contains the form letters used for Oncology/Tumor Registry follow-up. These are linked by type to the Contact file.
GEOCODES	165.2	This file contains codes for states of the United States and foreign countries.
CLASS OF CASE	165.3	For a hospital registry, Class of Case divides cases into two groups. Analytic cases (codes 00-22) are those that are required by CoC (Commission on Cancer) to be abstracted because of the program's primary responsibility in managing the cancer. Analytic cases are grouped according to the location of

		diagnosis and treatment. Treatment and outcome reports may be limited to analytic cases.
		Nonanalytic cases (codes 30-49 and 99) may be abstracted by the facility to meet central registry requirements or because of a request by the facility's cancer program.
ONCOLOGY PRIMARY	165.5	Tumor-related data for Oncology patients is stored in this file. (Demographic and follow-up data is in the Oncology Patient file). This file is populated in the field by using the abstracting options.
CONVERSION FLAGS	165.55	Identifies the regional lymph nodes involved with cancer at the time of diagnosis.
COMPUTED PRIMARY	165.59	This file is tied to the Oncology Primary file (DINUMed to .01 field) and contains computed fields only. This can be used by IRM to add computed fields to the file for use in the statistical options for cross-tabulation routines.
ONCOLOGY STAGED BY CODES	165.7	For a hospital registry, Primary Abstract cases need to record the person or group who assigned the clinical and pathologic staging items. This file contains the applicable numeric codes to use for recording the value for each case and the label (description) for each code.
ONCO AJCC STAGING CHAPTERS	165.8	This file contains the T, N and M codes as well as the T and N suffixes and AJCC Chapter and Name for the AJCC Cancer Staging Manual 8 th Edition and beyond.
ONCOLOGY EOD SCHEMAS	165.9	This file contains the site-specific codes and descriptions for the SEER EOD (Extent of Disease) data items.
ONCOLOGY SUBSITE	166.3	This file supports the 1996 Patient Care Evaluation of Soft Tissue Sarcoma.

HEMATOLOGIC TRANSPLANT/ENDOCRIN E PROCEDURES	167	Identifies systemic therapeutic procedures administered as part of the first course of treatment at this and all other facilities. If none of these procedures were administered, then this item records the reason they were not performed. These include bone marrow transplants, stem cell harvests, surgical and/or radiation endocrine therapy. For further information see FORDS pages 182-183.
ONCO BRAIN MOLECULAR MARKERS	167.1	This file contains the codes and descriptions for the NAACCR Brain Molecular Marker field.
GLEASON PATTERNS	167.2	This file contains the codes and descriptions for the NAACCR Gleason Patterns Clinical and Gleason Patterns Pathological fields.
ONCO LN STATUS	167.3	This file contains the codes and descriptions for the NAACCR Lymph Node Status Fem-Ing, Par-Aor, PLVfield.
ONCO PERIPHERAL BLOOD INVOLVEMENT	167.4	This file contains the codes and descriptions for the NAACCR Peripheral Blood Involvement field.
ONCO RESIDUAL TUMOR VOLUME	167.5	This file contains the codes and descriptions for the NAACCR Residual Tumor Volume field.
ONCO NEOADJUVANT THERAPY TREATMENT EFFECT	167.6	This file contains the codes and descriptions for the NAACCR Neoadjuvant Therapy – Treatment Effect field.
TYPE OF REPORTING SOURCE	168	This file is intended to assist the registrar in coding the source of documents used to abstract the cancer being reported.
ICDO-1 TOPOGRAPHY	169	This ICDO-1 Topography data file contains old ICDO codes version 1, 1976.
ICDO-1 SITES	169.08	This is the ICDO-Site file in use prior to Jan 1992, pointed to by the Topography file.
ICDO-1 MORPHOLOGY	169.1	The ICDO-1 Morphology file (version 1, 1976) is pointed to by File #164.1

ICDO-1 SITE FOR ONCOLOGY	169.2	Copy of old Site file needed to maintain pointer integrity. New file with data but stripped of all coding schemes no longer necessary.
ICD-O-3 MORPHOLOGY	169.3	This file contains the International Classification of Diseases for Oncology, Third Edition (ICD-O-3) morphology codes and code descriptions.
ONCOLOGY PACKAGE STATUS	169.99	This file allows the storage of the status of the package under control of the programmer: version installed, beginning, and ending of the installation, with the generation of a mail-message to the installer, and supporting ISC the installation information.

3.2. Package Default Definition

FILE #	NAME	UP DATE DD	SEND SEC. CODE	DATA COMES W/FILE	SITE DATA	RSLV PTS	USER OVER RIDE
160	ONCOLOGY PATIENT	YES	YES	NO			
160.1	ONCOLOGY SITE PARAMETERS	YES	YES	NO			
160.12	TYPE OF RECURRENCE	YES	YES	YES	OVER	YES	NO
160.14	NON CANCER-DIRECTED SURGERY	YES	YES	YES	OVER	YES	NO
160.15	ACOS STATE AT DIAGNOSIS	YES	YES	YES	OVER	YES	NO
160.16	ONCOLOGY DATA EXTRACT FORMAT	YES	YES	YES	OVER	YES	NO
160.17	ONCOLOGY PCE EXTRACT FORMAT	YES	YES	YES	OVER	YES	NO
160.19	FACILITY	YES	YES	YES	OVER	YES	NO
160.2	FORMS/INSTRUCTIONS	YES	YES	YES	OVER	YES	NO
160.3	PRIMARY PAYOR AT DIAGNOSIS	YES	YES	YES	OVER	YES	NO
160.4	RECONSTRUCTIVE SURGERY	YES	YES	YES	OVER	YES	NO
160.6	SURGICAL APPROACH	YES	YES	YES	OVER	YES	NO
164	ICDO TOPOGRAPHY	YES	YES	YES	OVER	YES	NO
164.08	ICDO-SITES	YES	YES	YES	OVER	YES	NO
164.1	ICDO MORPHOLOGY	YES	YES	YES	OVER	YES	NO
164.14	ICDO SITE GROUPS FOR REPORTING	YES	YES	YES	OVER	YES	NO
164.15	TUMOR MARKERS	YES	YES	YES	OVER	YES	NO
164.17	KARNOFSKY'S RATING						
164.18	CHEMOTHERAPEUTIC DRUGS						
164.2	SITE-GROUP FOR ONCOLOGY	YES	YES	YES	OVER	YES	NO
164.3	OTHER STAGING FOR ONCOLOGY	YES	YES	YES	OVER	YES	NO
164.33	AJCC STAGING GROUPS	YES	YES	YES	OVER	YES	NO
164.4	COMMON CANCERS	YES	YES	YES	OVER	YES	NO
164.42	PRIMARY CANCER STATUS CODE	YES	YES	YES	OVER	YES	NO
164.43	GRADE	YES	YES	YES	OVER	YES	NO
164.45	AJCC STAGE GROUP	YES	YES	YES	OVER	YES	NO
164.46	RACE CODE FOR ONCOLOGY	YES	YES	YES	OVER	YES	NO
164.48	PATIENT CANCER STATUS CODE	YES	YES	YES	OVER	YES	NO
164.5	SEER CODE SET	YES	YES	YES	OVER	YES	NO
164.51	ONC CS METS AT DX						
164.52	ONC CS SITE-SPECIFIC FACTORS						
164.53	ONC CS EXTENSION						
164.55	ONC CS LYMPH NODES						
164.6	TYPE OF STAGING SYSTEM (PEDIATRIC)	YES	YES	YES	OVER	YES	NO
164.7	RADIATION TREATMENT VOLUME	YES	YES	YES	OVER	YES	NO
164.8	RADIATION COMPLETION STATUS	YES	YES	YES	OVER	YES	NO
164.81	ONCO RADIATION EXTERNAL BEAM						
164.82	ONCO RADIATION TREATMENT VOLUME						
164.83	ONCO RADIATION TO DRAINING LN						
164.84	ONCO RADIATION TREATMENT MODALITY						
164.9	WHO HISTOLOGICAL CLASSIFICATION						
165	ONCOLOGY CONTACT	YES	YES	NO			
165.1	FOLLOW-UP FORM LETTER	YES	YES	YES	OVER	YES	NO
165.2	GEOCODES	YES	YES	YES	OVER	YES	NO
165.3	CLASS OF CASE						
165.5	ONCOLOGY PRIMARY	YES	YES	NO			
165.55	CONVERSION FLAGS						
165.59	COMPUTED PRIMARY	YES	YES	NO			
165.7	ONCOLOGY STAGED BY CODES	YES	YES	YES	REPL	NO	NO
165.8	ONCO AJCC STAGING CHAPTERS						
165.9	ONCOLOGY EOD SCHEMAS						
166	CASEFINDING SOURCE						
166.13	REGIONAL TREATMENT MODALITY	YES	YES	YES	OVER	YES	NO
166.3	ONCOLOGY SUBSITE	YES	YES	YES	OVER	YES	NO

167	HEMATOLOGIC TRANSPLANT/ ENDOCRINE PROCEDURES							
167.1	ONCO BRAIN MOLECULAR MARKERS							
167.2	GLEASON PATTERNS							
167.3	ONCO LN STATUS							
167.4	ONCO PERIPHERAL BLOOD INVOLVEMENT							
167.5	ONCO RESIDUAL TUMOR VOLUME							
167.6	ONCO NEOADJUVANT TX EFFECT							
168	TYPE OF REPORTING SOURCE							
169	ICDO-1 TOPOGRAPHY	YES	YES	YES	OVER	YES	NO	
169.08	ICDO-1 SITES	YES	YES	YES	OVER	YES	NO	
169.1	ICDO-1 MORPHOLOGY	YES	YES	YES	OVER	YES	NO	
169.2	ICDO-1 SITE FOR ONCOLOGY	YES	YES	YES	OVER	YES	NO	
169.3	ICD-O-3 MORPHOLOGY							
169.99	ONCOLOGY PACKAGE STATUS	YES	YES	NO				

4. Routines

The user can get a listing of the routines by using the First Line Routine Print option located in the Routine Tools menu.

ONC2CNV	ONC2PR12	ONC2PR13	ONC2PR14	ONC2PR15	ONC2PR16	ONC2PR17	ONC2PR18
ONC2PS01	ONC2PS04	ONC2PS05	ONC2PS06	ONC2PS09	ONC2PS10	ONC2PS12	ONC2PS13
ONC2PS14	ONC2PS15	ONC2PS16	ONC2PS17	ONC2PS18	ONC2PS1A	ONC2PS4A	ONC2PSTN
ONC2PR,*ONC2PS* routines may have been optionally deleted							
ONCACD0	ONCACD1	ONCACDU1	ONCACDU2	ONCASCII	ONCATF	ONCATF1	ONCBPC0
ONCBPC1	ONCBPC2	ONCBPC3	ONCBPC4	ONCBPC4A	ONCBPC5	ONCBPC6	ONCBPC8
ONCBPC8A	ONCBRP0	ONCBRP1	ONCBRP2	ONCBRP3	ONCBRP4	ONCBRP5	
ONCBRP5A	ONCBRP6	ONCBRP7	ONCBRP9	ONCBRP9A	ONCBRP9B	ONCCPC0	ONCCPC1
ONCCPC2	ONCCPC3	ONCCPC4	ONCCPC4A	ONCCPC5	ONCCPC6	ONCCPC7	ONCCPC9
ONCCPC9A	ONCCPC9B	ONCCS	ONCCS2	ONCCS3	ONCCS0T	ONCCSRS	
ONCCSSTF	ONCCSV2	ONCCSV2A	ONCDTUTL	ONCDTX	ONCDTX1	ONCEDIT	
ONCEDIT2	ONCEECA	ONCFUNC	ONCGENED	ONCGPC0	ONCGPC1	ONCGPC2	ONCGPC3
ONCGPC4	ONCGPC5	ONCGPC7	ONCGPC7A	ONCGPC7B	ONCHPC0	ONCHPC1	ONCHPC2
ONCHPC2A	ONCHPC3	ONCHPC4	ONCHPC4A	ONCHPC5	ONCHPC6	ONCHPC8	
ONCHPC8A	ONCHTWT	ONCIPC0	ONCIPC1	ONCIPC2	ONCIPC2A	ONCIPC3	
ONCIPC3A	ONCIPC3B	ONCIPC3C	ONCIPC4	ONCIPC5	ONCIPC6	ONCIPC8	
ONCIPC8A	ONCIPC8B	ONCIPC8C	ONCLNG	ONCLNG1	ONCLPC0	ONCLPC1	ONCLPC2
ONCLPC3	ONCLPC4	ONCLPC5	ONCLPC6	ONCLPC7	ONCLPC9	ONCLPC9A	
ONCLPC9B	ONCMPC0	ONCMPC1	ONCMPC2	ONCMPC3	ONCMPC4	ONCMPC4A	ONCMPC5
ONCMPC6	ONCMPC7	ONCMPC9	ONCMPC9A	ONCMPC9B	ONCMPH	ONCNPC0	ONCNPC1
ONCNPC2	ONCNPC3	ONCNPC4	ONCNPC4A	ONCNPC5	ONCNPC6	ONCNPC8	
ONCNPC8A	ONCNPC8B	ONCNPI	ONCNTX	ONCNTX1	ONCOAI	ONCOAIC	ONCOAID
ONCOAIF	ONCOAIM	ONCOAIM2	ONCOAIP	ONCOAIP1	ONCOAIP2	ONCOAIQ	ONCOAIS
ONCOAIT	ONCOANC0	ONCOANC1	ONCOANC2	ONCOANC3	ONCOANC4	ONCOANC5	
ONCOANC9	ONCOANCF	ONCOANCQ	ONCOAS	ONCOCC	ONCOCFL	ONCOCFL1	
ONCOCFL2	ONCOCFP	ONCOCFP1	ONCOCFR	ONCOCKI	ONCOCOC	ONCOCOF	
ONCOCOFA	ONCOCOM	ONCOCOML	ONCOCON	ONCOCOP	ONCOCOS	ONCOCRA	ONCOCRC
ONCOCRFA	ONCOCRFA	ONCODEL	ONCODGR	ONCODIS	ONCODLF	ONCODSP	
ONCODSP1	ONCODSR	ONCODXD	ONCOEDC	ONCOEDC1	ONCOEDC2	ONCOENA	ONCOENV
ONCOEOD1	ONCOES	ONCOFDP	ONCOFLF	ONCOFTS	ONCOFUL	ONCOFUM	ONCOFUP
ONCOGEN	ONCOHELP	ONCOHICD	ONCOIT	ONCOLRU	ONCOMNI	ONCOOT	ONCOPA1
ONCOPA1A	ONCOPA2	ONCOPA2A	ONCOPA3	ONCOPA3A	ONCOPA4	ONCOPAR	
ONCOPCE	ONCOPFX	ONCOPMA	ONCOPMB	ONCOPMP	ONCOPRT	ONCOPRT1	ONCORF
ONCOSA	ONCOSA1	ONCOSC	ONCOSC1	ONCOSCF	ONCOSCG	ONCOSCOM	ONCOSCT
ONCOSCT0	ONCOSCT1	ONCOSCT2	ONCOSCT3	ONCOSINP	ONCOS0	ONCOSSA	
ONCOSSA1	ONCOSSA2	ONCOSSA3	ONCOSSA4	ONCOSSAT	ONCOST	ONCOST1	ONCOSUR
ONCOSUR1	ONCOSUR2	ONCOTM	ONCOTN	ONCOTN0	ONCOTNE	ONCOTNM	
ONCOTNM2	ONCOTNMA	ONCOTNMB	ONCOTNMC	ONCOTNMX	ONCOTN0	ONCOTNS	ONCOU
ONCOU0	ONCOU55	ONCOU55A	ONCOU55B	ONCOUK	ONCOUTC	ONCP2P0	ONCP2P1
ONCP2P2	ONCP2P3	ONCP2P4	ONCP2P4A	ONCP2P5	ONCP2P6	ONCP2P8	
ONCP2P8A	ONCP2P8B	ONCPAT	ONCPAT1	ONPCDX	ONCPCI	ONCPCS	ONCPDI
ONCPHC	ONCPL	ONCPM	ONCPMB	ONCPMC	ONCPML	ONCPMP	ONCPPC0
ONCPPC1	ONCPPC2	ONCPPC3	ONCPPC4	ONCPPC5	ONCPPC6	ONCPPC7	ONCPPC9
ONCPPC9A	ONCPPC9B	ONCPSD	ONCPTX	ONCRESTG	ONCRFNR	ONCRPC	ONCRR
ONCSAPI	ONCSAPI1	ONCSAPI3	ONCSAPID	ONCSAPIE	ONCSAPIR	ONCSAPIS	
ONCSAPIT	ONCSAPIU	ONCSAPIV	ONCSAPIX	ONCSCHMA	ONCSCHMB	ONCSCHMC	
ONCSCHMD	ONCSCHME	ONCSCHMG	ONCSCHMH	ONCSCHMM	ONCSCHMP	ONCSCHMS	
ONCSCHMT	ONCSCHMU	ONCSCHMX	ONCSCHMY	ONCSCHMZ	ONCSCHM0	ONCSCHM1	

ONCSCHM2	ONCSCHM3	ONCSED01	ONCSED02	ONCSED03	ONCSED04	ONCSEDEM	ONCSG0
ONCSG0A	ONCSG1	ONCSG1A	ONCSG2	ONCSG3	ONCSG4	ONCSG4A	ONCSG5
ONCSG5A	ONCSGA8A	ONCSGA8B	ONCSGA8C	ONCSGA8H	ONCSGA8U	ONCSGA8X	
ONCSNACR	ONCSPC0	ONCSPC1	ONCSPC2	ONCSPC3	ONCSPC4	ONCSPC4A	ONCSPC5
ONCSPC6	ONCSPC8	ONCSPC8A	ONCSRVP	ONCSRVP01	ONCSRVRP	ONCSRVTM	ONCSSF1
ONCSSF2	ONCSSF25	ONCSSF3	ONCSSF4	ONCSSF5	ONCSSF6	ONCSTX	ONCSUBS
ONCSYMP	ONCTEXT	ONCTIME	ONCTNMC	ONCTPC0	ONCTPC1	ONCTPC2	ONCTPC3
ONCTPC4	ONCTPC5	ONCTPC6	ONCTPC8	ONCTPC8A	ONCTXSM	ONCUT X	ONCUTX1
ONCWEB1	ONCX	ONCX10	ONCX10A	ONCXDEM	ONCXERR	ONCXURL	

5. Templates

5.1. INPUT TEMPLATES

ONCO ABSTRACT-I	File #165.5
ONCO DEATH	File #160
ONCO FOLL ADD/EDIT LETTER	File #165.1
ONCO FOLL ATTEMPT	File #160
ONCO FOLL-ADD CONTACT	File #160
ONCO FOLLOWUP	File #160
ONCO RECURRENCE FOLLOWUP	File #165.5
ONCO UPDATE CONTACT	File #165
ONCO UTL CORRECT DATA	File #165.5

5.2. PRINT TEMPLATES

ONC EXTRACT	File #160.16
ONC EXTRACT REPORT	File #165.5
ONCO ABSTRACT NOT-COMPLETE	File #165.5
ONCO ACCREG-ACOS80	File #165.5
ONCO ACCREG-EOVA132	File #165.5
ONCO ACCREG-SITE/GP80	File #165.5
ONCO ACOS DOCUMENTATION	File #160.2
ONCO AJCC SUMMARY STAGE GPS	File #165.5
ONCO ANNUAL ACCREG80	File #165.5
ONCO ANNUAL ACCREG80-HDR	File #165.5
ONCO ANNUAL CLASS/PATIENT	File #165.5
ONCO ANNUAL CLASS/PATIENT-HDR	File #165.5
ONCO ANNUAL HIST/SITE/ICDO	File #165.5
ONCO ANNUAL ICDO/STAGE/TX	File #165.5
ONCO ANNUAL PATIENT INDX	File #165.5
ONCO ANNUAL PATIENT INDX-HDR	File #165.5
ONCO ANNUAL PATIENT INFO	File #165.5
ONCO ANNUAL PATIENT INFO-HDR	File #165.5
ONCO ANNUAL SITE/GP	File #165.5
ONCO ANNUAL SITE/GP-HDR	File #165.5
ONCO ANNUAL SITE/ICDT/ICDM	File #165.5
ONCO ANNUAL SITE/STAGE/TX	File #165.5
ONCO ANNUAL SITE/STAGE/TX-HDR	File #165.5
ONCO ANNUAL SITE/STG/TX	File #165.5

ONCO ANNUAL TREATMENT	File #165.5
ONCO CASEFINDING REPORT	File #160
ONCO CASEFINDING-HDR	File #160
ONCO CONTACT LIST-A	File #165
ONCO CONTACT LIST-T	File #165
ONCO DELINQUENT(LTF) LIST	File #160
ONCO DELINQUENT(LTF) LIST HDR	File #160
ONCO DELINQUENT(LTF) LIST2	File #160
ONCO DELINQUENT(LTF) LIST2 HDR	File #160
ONCO DUE FOLLOWUP	File #160
ONCO DUE FOLLOWUP-HDR	File #160
ONCO DUE FOLLOWUP2	File #160
ONCO DUE FOLLOWUP2-HDR	File #160
ONCO F/U HISTORY (NEW)	File #160
ONCO FOLLOW-UP STATUS LIST	File #160
ONCO FOLLOWUP HISTORY	File #160
ONCO FOLLOWUP HISTORY-HDR	File #160
ONCO FOLLOWUP PATIENT RPT	File #160
ONCO FOLLOWUP PATIENT RPT-HDR	File #160
ONCO FOLLOWUP STATUS RPT	File #160
ONCO ICDO PATIENT LIST	File #165.5
ONCO ICDO-SITE132	File #165.5
ONCO ICDO-SITE132-HDR	File #165.5
ONCO ICDO-SITE80	File #165.5
ONCO ICDO-SITE80-HDR	File #165.5
ONCO LAB-CASEFINDING REPORT	File #160
ONCO LAB-CASEFINDING-HDR	File #160
ONCO NEG-REPORT	File #160.1
ONCO PATIENT INDX-ACOS	File #160
ONCO PATIENT INDX-ACOS	File #165.5
ONCO PATIENT INDX-ACOS-HDR	File #160
ONCO PATIENT INDX-EOVA132	File #160
ONCO PATIENT INDX80	File #160
ONCO PATIENT ONLY	File #160
ONCO PATIENT ONLY-HDR	File #160
ONCO PRIMARY EXTENT CODE AUDIT	File #165.5
ONCO PRIMARY INFORMATION132	File #165.5
ONCO PRIMARY SURGERY AUDIT	File #165.5
ONCO PTF-CASEFINDING RPT	File #160
ONCO PTF-CASEFINDING-HDR	File #160
ONCO RAD-CASEFINDING RPT	File #160
ONCO RAD-CASEFINDING-HDR	File #160
ONCO SITE HEADING	File #160.1
ONCO SITE-QA REPORT	File #160.1
ONCO SITE/GP80	File #165.5
ONCO SITE/GP80-HDR	File #165.5
ONCO SITE80	File #165.5
ONCO SITE80-HEADER	File #165.5
ONCO SUSPENSE	File #160

ONCO SUSPENSE-HDR	File #160
ONCO TOPOG BY SITEGRP	File #164
ONCO TOPOG SITES	File #164.2
ONCO TOPOGRAPHY BY CODE	File #164
ONCO TREATMENT	File #165.5
ONCO WORKSHEET	File #160.2
ONCO XABSTRACT RECORD	File #165.5
ONCO XADMISSION	File #165.5
ONCO XCONTACT LIST	File #160
ONCO XDEATH INFO	File #160
ONCO XINCIDENCE RPRT	File #165.5
ONCO XPATIENT CONTACTS	File #160
ONCO XPATIENT DATA	File #160
ONCO XPATIENT INFO	File #160
ONCO XPATIENT STATUS	File #160
ONCOLOGY INPUT TEMPLATE LIST	File #.402
ONCOLOGY OPTION LIST	File #19
ONCOLOGY PRINT TEMPLATE LIST	File #.4
ONCOLOGY ROUTINE LIST	File #9.8
ONCOLOGY SORT TEMPLATE LIST	File #.401
ONCOW1	File #165.5
ONCOX1	File #165.5
ONCOX10	File #165.5
ONCOX11	File #165.5
ONCOX2	File #165.5
ONCOX3	File #165.5
ONCOX4	File #165.5
ONCOX5	File #165.5
ONCOX6	File #165.5
ONCOX7	File #165.5
ONCOX8	File #165.5
ONCOX9	File #165.5
ONCOX99	File #165.5
ONCOXA1	File #165.5
ONCOXA2	File #165.5
ONCOXA3	File #165.5
ONCOXA4	File #165.5
ONCOY49	File #165.5
ONCOY50	File #165.5
ONCOY51	File #165.5
ONCOY52	File #165.5
ONCOY53	File #165.5
ONCOY54	File #165.5
ONCOY55	File #165.5
ONCOY56	File #165.5
ONCOY57	File #165.5
ONCOY58	File #165.5
ONCQA	File #165.5
ONCQA1	File #165.5

ONCQA2	File #165.5
ONCQA3	File #165.5
ONCO CASEFINDING REPORT	File #160
ONCO CASEFINDING-HDR	File #160
ONCO DELINQUENT(LTF) LIST	File #160
ONCO DELINQUENT(LTF) LIST HDR	File #160
ONCO DELINQUENT(LTF) LIST2	File #160
ONCO DELINQUENT(LTF) LIST2 HDR	File #160
ONCO DUE FOLLOWUP	File #160
ONCO DUE FOLLOWUP-HDR	File #160
ONCO DUE FOLLOWUP2	File #160
ONCO DUE FOLLOWUP2-HDR	File #160
ONCO F/U HISTORY (NEW)	File #160
ONCO FOLLOW-UP STATUS LIST	File #160
ONC EXTRACT	File #160.16
ONCO ACOS DOCUMENTATION	File #160.2
ONCO CONTACT LIST-A	File #165
ONCO CONTACT LIST-T	File #165
ONC EXTRACT REPORT	File #165.5
ONCO ABSTRACT NOT-COMPLETE	File #165.5
ONCO ACCREG-ACOS80	File #165.5
ONCO ACCREG-EOVA132	File #165.5
ONCO ACCREG-SITE/GP80	File #165.5
ONCO AJCC SUMMARY STAGE GPS	File #165.5
ONCO ANNUAL ACCREG80	File #165.5
ONCO ANNUAL ACCREG80-HDR	File #165.5
ONCO ANNUAL CLASS/PATIENT	File #165.5
ONCO ANNUAL CLASS/PATIENT-HDR	File #165.5
ONCO ANNUAL HIST/SITE/ICDO	File #165.5
ONCO ANNUAL ICDO/STAGE/TX	File #165.5
ONCO ANNUAL PATIENT INDX	File #165.5
ONCO ANNUAL PATIENT INDX-HDR	File #165.5
ONCO ANNUAL PATIENT INFO	File #165.5
ONCO ANNUAL PATIENT INFO-HDR	File #165.5
ONCO ANNUAL SITE/GP	File #165.5
ONCO ANNUAL SITE/GP-HDR	File #165.5
ONCO ANNUAL SITE/ICDT/ICDM	File #165.5
ONCO ANNUAL SITE/STAGE/TX	File #165.5
ONCO ANNUAL SITE/STAGE/TX-HDR	File #165.5
ONCO ANNUAL SITE/STG/TX	File #165.5
ONCO ANNUAL TREATMENT	File #165.5
ONCO ICDO PATIENT LIST	File #165.5
ONCO ICDO-SITE132	File #165.5
ONCO ICDO-SITE132-HDR	File #165.5
ONCO ICDO-SITE80	File #165.5
ONCO ICDO-SITE80-HDR	File #165.5
ONCO PATIENT INDX-ACOS	File #165.5
ONCO PRIMARY EXTENT CODE AUDIT	File #165.5
ONCO PRIMARY INFORMATION132	File #165.5

ONCO PRIMARY SURGERY AUDIT	File #165.5
ONCO SITE/GP80	File #165.5
ONCO SITE/GP80-HDR	File #165.5
ONCO SITE80	File #165.5
ONCO SITE80-HEADER	File #165.5
ONCO TREATMENT	File #165.5
ONCO XINCIDENCE REPORT	File #165.5

5.3. SORT TEMPLATES

ONCO ABSTINCOM-TERMDIG	File #165.5
ONCO ABSTRACT DATE/COMPLETE	File #165.5
ONCO ABSTRACT NOT-COMPLETE	File #165.5
ONCO ABSTRACT NOT-COMPLETE 1	File #165.5
ONCO ABSTRACT RECORD	File #165.5
ONCO ACCREG-ACOS80	File #165.5
ONCO ACCREG-EOVA132	File #165.5
ONCO ACCREG-SITE/GP80	File #165.5
ONCO ACOS DOCUMENTATION	File #160.2
ONCO ANN/ANAL/STA/SITE/DX AGE	File #165.5
ONCO ANNUAL ACCREG80	File #165.5
ONCO ANNUAL ACOSACCREG80	File #165.5
ONCO ANNUAL ANALYTIC	File #165.5
ONCO ANNUAL CLASS/PATIENT	File #165.5
ONCO ANNUAL CLASS/SITE	File #165.5
ONCO ANNUAL HIST/SITE/ICDO	File #165.5
ONCO ANNUAL ICDO/STAGE/TX	File #165.5
ONCO ANNUAL PATIENT INDX	File #165.5
ONCO ANNUAL SITE/GP	File #165.5
ONCO ANNUAL SITE/ICDT/ICDM	File #165.5
ONCO ANNUAL SITE/STAGE/TX	File #165.5
ONCO CASEFINDING REPORT	File #160
ONCO CONTACT LIST-A	File #165
ONCO CONTACT LIST-T	File #165
ONCO DELINQUENT(LTF) LIST	File #160
ONCO DISEASE INDEX	File #9000010.7
ONCO DISEASE INDEX CASEFINDING	File #9000010.7
ONCO DUE FOLLOWUP	File #160
ONCO FOLLOWUP HISTORY	File #160
ONCO FOLLOWUP PATIENT RPT	File #160
ONCO FOLLOWUP STATUS RPT	File #160
ONCO ICDO-SITE	File #165.5
ONCO ICDO-SITE132	File #165.5
ONCO ICDO-SITE80	File #165.5
ONCO LAB-CASEFINDING REPORT	File #160
ONCO LOSTTOFOLLOWUP	File #160
ONCO NEG-REPORT	File #160.1
ONCO PATIENT ONLY	File #160

ONCO PCE ANNUAL REPORT	File #165.5
ONCO PTF-CASEFINDING RPT	File #160
ONCO RAD-CASEFINDING RPT	File #160
ONCO SITE/GP80	File #165.5
ONCO STAGE/SITE	File #165.5
ONCO TOPOG BY SITEGRP	File #164
ONCO TOPOG SITES	File #164.2
ONCO TOPOGRAPHY BY CODE	File #164
ONCOLOGY INPUT TEMPLATE LIST	File #.402
ONCOLOGY OPTION LIST	File #19
ONCOLOGY PRINT TEMPLATE LIST	File #.4
ONCOLOGY ROUTINE LIST	File #9.8
ONCOLOGY SITE/GROUP-TOPOGRAPHY	File #164.2
ONCOLOGY SORT TEMPLATE LIST	File #.401
ONCOS ANAL/STAGE 0	File #165.5
ONCOS ANAL/STAGE I	File #165.5
ONCOS ANAL/STAGE II	File #165.5
ONCOS ANAL/STAGE III	File #165.5
ONCOS ANAL/STAGE IV	File #165.5
ONCOS ANAL/STAGE NA	File #165.5
ONCOS ANAL/STAGE U	File #165.5
ONCOS ANALYTIC	File #165.5
ONCOS ANALYTIC-140	File #165.5
ONCOS ANALYTIC-153	File #165.5
ONCOS ANALYTIC-154	File #165.5
ONCOS ANALYTIC-160	File #165.5
ONCOS ANALYTIC-161	File #165.5
ONCOS ANALYTIC-162	File #165.5
ONCOS ANALYTIC-193	File #165.5
ONCOS ANALYTIC-196	File #165.5
ONCOS ANALYTIC_NON	File #165.5
ONCOS ANNUAL ANAL/STAGE 0	File #165.5
ONCOS ANNUAL ANAL/STAGE I	File #165.5
ONCOS ANNUAL ANAL/STAGE II	File #165.5
ONCOS ANNUAL ANAL/STAGE III	File #165.5
ONCOS ANNUAL ANAL/STAGE IV	File #165.5
ONCOS ANNUAL ANAL/STAGE NA	File #165.5
ONCOS ANNUAL ANAL/STAGE U	File #165.5
ONCOS ANNUAL-ALLCASES	File #165.5
ONCOS ANNUAL-ANALYTIC	File #165.5
ONCOS ANNUAL-NON ANAL	File #165.5
ONCOS ANNUAL/ANAL-90	File #165.5
ONCOS BLACK-FEMALES	File #160
ONCOS BLACK-MALES	File #160
ONCOS KAPOSI	File #165.5
ONCOS LARYNX/AN/90	File #165.5
ONCOS LUNG/NON-SMALL CELL	File #165.5
ONCOS MEMPHIS LUNG	File #165.5
ONCOS NON-ANALYTIC	File #165.5

ONCOS RACE=BLACK	File #160
ONCOS RACE=WHITE	File #160
ONCOS RANGE-ALLCASES	File #165.5
ONCOS RANGE-ANALYTIC	File #165.5
ONCOS RANGE-NON ANAL	File #165.5
ONCOS SEX=FEMALE	File #160
ONCOS SEX=MALE	File #160
ONCOS SITE=BLADDER	File #165.5
ONCOS SITE=BRAIN	File #165.5
ONCOS SITE=BREAST	File #165.5
ONCOS SITE=COLON	File #165.5
ONCOS SITE=ESOPHAGUS	File #165.5
ONCOS SITE=HODGKIN'S	File #165.5
ONCOS SITE=HODGKINS	File #165.5
ONCOS SITE=LARYNX	File #165.5
ONCOS SITE=LIP	File #165.5
ONCOS SITE=LIVER	File #165.5
ONCOS SITE=LUNG	File #165.5
ONCOS SITE=LYMPH NODES	File #165.5
ONCOS SITE=NON-HODGKINS	File #165.5
ONCOS SITE=NON-HODGKINS'S	File #165.5
ONCOS SITE=PHARYNX	File #165.5
ONCOS SITE=PROSTATE	File #165.5
ONCOS SITE=TESTIS	File #165.5
ONCOS TOTAL-ANAL	File #165.5
ONCOS TOTAL-NON	File #165.5
ONCOS TX-CHEMO	File #165.5
ONCOS TX-HORMONE	File #165.5
ONCOS TX-RADIATION	File #165.5
ONCOS TX-SURGERY	File #165.5
ONCOS WHITE-FEMALES	File #160
ONCOS WHITE-MALES	File #160
ONCOZ LUNG SURVIVAL	File #165.5
ONCO ACOS DOCUMENTATION	File #160.2
ONCO ABSTINCOM-TERMDIG	File #165.5
ONCO ABSTRACT DATE/COMPLETE	File #165.5
ONCO ABSTRACT NOT-COMPLETE	File #165.5
ONCO ABSTRACT NOT-COMPLETE 1	File #165.5
ONCO ABSTRACT RECORD	File #165.5
ONCO ACCREG-ACOS80	File #165.5
ONCO ACCREG-EOVA132	File #165.5
ONCO ACCREG-SITE/GP80	File #165.5
ONCO ANN/ANAL/STA/SITE/DX AGE	File #165.5
ONCO ANNUAL ACCREG80	File #165.5
ONCO ANNUAL ACOSACCREG80	File #165.5
ONCO ANNUAL ANALYTIC	File #165.5
ONCO ANNUAL CLASS/PATIENT	File #165.5
ONCO ANNUAL CLASS/SITE	File #165.5
ONCO ANNUAL HIST/SITE/ICDO	File #165.5

ONCO ANNUAL ICDO/STAGE/TX	File #165.5
ONCO ANNUAL PATIENT INDX	File #165.5
ONCO ANNUAL SITE/GP	File #165.5
ONCO ANNUAL SITE/ICDT/ICDM	File #165.5
ONCO ANNUAL SITE/STAGE/TX	File #165.5
ONCO ICDO-SITE	File #165.5
ONCO ICDO-SITE132	File #165.5
ONCO ICDO-SITE80	File #165.5
ONCO PCE ANNUAL REPORT	File #165.5
ONCO SITE/GP80	File #165.5
ONCO STAGE/SITE	File #165.5
ONCOS ANAL/STAGE 0	File #165.5
ONCOS ANAL/STAGE I	File #165.5
ONCOS ANAL/STAGE II	File #165.5
ONCOS ANAL/STAGE III	File #165.5
ONCOS ANAL/STAGE IV	File #165.5
ONCOS ANAL/STAGE NA	File #165.5
ONCOS ANAL/STAGE U	File #165.5
ONCOS ANALYTIC	File #165.5
ONCOLOGY OPTION LIST	File #19
ONCOLOGY ROUTINE LIST	File #9.8

6. Exported Options

6.1. Site Manager Menu

DHCP Tumor Registry

- Casefinding/Suspense
- Abstracting/Printing
- Follow-up Functions
- Registry Lists
- Annual Reports
- Statistical Reports
- Utility Options
 - Registry Summary Reports
 - Delete Oncology Patient
 - Delete Primary Site/GP Record
 - Find Duplicate Acc/Seq Numbers
 - Edit Site/AccSeq# Data
 - List Topographic Site Groups
 - List Topography Codes by Site Group
 - Create a report to preview ACOS output
 - Create ACOS Data Download
 - Create a report to preview State/VACCR output
 - Create State/VACCR Data Download
 - Define Tumor Registry Parameters
 - Enter/Edit Facility file
 - Print Condensed DD--Oncology Patient file
 - Print Condensed DD--Oncology Primary file

- Purge Suspense Records
- Purge Patient Records with No Suspense/Primaries
- Restage CS cases using latest version
- Compute percentage of TNM forms completed
- Timeliness Report
- Enter/Edit Chemotherapeutic Drugs file
- Create RCRS extract
- Find non-standard characters in TEXT
- Update Oncology Physician Contacts
- Check Validity of TNM Field Values

Retrieve Internal Patient Pointers
Reindex Data Files (160,165.5,165)
**> Out of order: Mark for deletion
Correct Next Follow-Up for Expired Patients
Recompute AJCC TNM Staging
Purge Patient Records with No Suspense/Primaries
Create a report to preview ACOS output
Report of accessions requiring additional input
**> Out of order: Mark for deletion

7. Archiving and Purging

Oncology/Cancer data should be retained on-line, to enable long term survival studies. Therefore, there are no provisions for purging this data. However, there is purging of Contact file entries for a deceased patient available to sites, to be used at their discretion.

8. Callable Routines

There are no callable routines for this package.

9. External Relations

Oncology requires VA FileMan V. 21 (or later) and VA Kernel V. 8.0 (or later) and points to the following files:

- Patient #2
- Institution #4
- County (#5.1)
- ZIP Code (#5.11)
- Referral Patient #67
- Topography Field #61
- Morphology Field #61.1
- Occupation Field #61.6
- Rad/Nuc Med Procedures #71
- ICD Diagnosis #80

New Person (#200)

9.1. DBIA Subscriber Package Agreements

Obtain a list of agreements using the Print ACTIVE by Subscribing Package option on FORUM.

9.2. DBIA Custodial Package Agreements

There are no DBIA custodial package agreements.

10. Internal Relations

There are no options that cannot function independently.

11. Package-Wide Variables

There are no package-wide variables.

12. Software Product Security

12.1. Security Management

There are legal issues concerning the dispensing of data regarding veterans to the State and other requesting organizations. It is important for each site to be aware of the privacy laws.

No additional licenses are necessary to run the software.

12.2. Privacy Act Statement

In accordance with Office of Personnel Management and VA policies, this information is to be furnished for use only as authorized. It will not be reproduced or used for any other purpose. Any output must be secured in a storage system adequate to insure against disclosure to unauthorized parties. Disposal will be by burning, shredding, or other treatment to destroy their legibility.

12.3. Security Features

- a. Mail groups and alerts.

There are no mail groups or alerts used in this package.

- b. Remote systems.

The application does not transmit data to any remote system/facility database currently.

- c. Archiving/Purging.

Oncology/Cancer data should be retained on-line, to enable long term survival studies. Therefore, there are no provisions for purging this data. However, there is purging of Contact file entries for a deceased patient available to sites, to be used at their discretion.

- d. Contingency Planning.

It is the responsibility of the using service to develop a local contingency plan to be used in the event of application problems.

- e. Interfacing.

No specialized (non VA) interfaces are used or required by the application.

- f. Electronic signatures.

Electronic signatures are not used by the application.

g. Menus.

There are no options of special note for the Information Security Officers (ISO's) to view.

h. Security Keys.

There are no Security Keys in this application.

i. File Security.

NUMBER	NAME	GLOBAL NAME	DD ACC	RD ACC	WR ACC	DEL ACC	LAY ACC	AUD ACC
160	ONCOLOGY PATIENT	^ONCO (160,						
160.1	ONCOLOGY SITE PARAMETERS	^ONCO (160.1,						
160.12	TYPE OF RECURRENCE	^ONCO (160.12,	@	@	@	@	@	@
160.14	NON CANCER-DIRECTED SURGERY	^ONCO (160.14,	@	@	@	@	@	@
160.15	ACOS STATE AT DIAGNOSIS	^ONCO (160.15,	@	@	@	@	@	@
160.16	ONCOLOGY DATA EXTRACT FORMAT	^ONCO (160.16,	@	@	@	@	@	@
160.17	ONCOLOGY PCE EXTRACT FORMAT	^ONCO (160.17,	@	@	@	@	@	@
160.19	FACILITY	^ONCO (160.19,	@					@
160.2	FORMS/INSTRUCTIONS	^ONCO (160.2,						
160.3	PRIMARY PAYOR AT DIAGNOSIS	^ONCO (160.3,	@	@	@	@	@	@
160.4	RECONSTRUCTIVE SURGERY	^ONCO (160.4,	@	@	@	@	@	@
160.6	SURGICAL APPROACH	^ONCO (160.6,	@	@	@	@	@	
164	ICDO TOPOGRAPHY	^ONCO (164,						
164.08	ICDO-SITES	^ONCO (164.08,						
164.1	ICDO MORPHOLOGY	^ONCO (164.1,						
164.14	ICDO SITE GROUPS FOR REPORTING	^ONCO (164.14,	@	@	@	@	@	@
164.15	TUMOR MARKERS	^ONCO (164.15,	@	@	@	@	@	@
164.17	KARNOFSKY'S RATING	^ONCO (164.17,	@	@	@	@	@	@
164.18	CHEMOTHERAPEUTIC DRUGS	^ONCO (164.18,	@	@	@	@	@	@
164.2	SITE-GROUP FOR ONCOLOGY	^ONCO (164.2,						
164.3	OTHER STAGING FOR ONCOLOGY	^ONCO (164.3,						
164.33	AJCC STAGING GROUPS	^ONCO (164.33,						
164.4	COMMON CANCERS	^ONCO (164.4,						
164.42	PRIMARY CANCER STATUS CODE	^ONCO (164.42,	@					
164.43	GRADE	^ONCO (164.43,	@	@	@	@	@	@
164.44	ONCOLOGY GRADE TABLES	^ONCO (164.44,	@	@	@	@	@	@
164.45	AJCC STAGE GROUP	^ONCO (164.45,	@	@	@	@	@	@
164.46	RACE CODE FOR ONCOLOGY	^ONCO (164.46,	@	@	@	@	@	@
164.47	ONCOLOGY SCHEMA DISC CODES	^ONCO (164.47,	@	@	@	@	@	@
164.48	PATIENT CANCER STATUS CODE	^ONCO (164.48,	@	@	@	@	@	@
164.5	SEER CODE SET	^ONCO (164.5,	@	@	@	@	@	@
164.51	ONC CS METS AT DX	^ONCO (164.51,	@	@	@	@	@	@
164.52	ONC CS SITE-SPECIFIC FACTORS	^ONCO (164.52,	@	@	@	@	@	@

164.53	ONC CS EXTENSION	^ONCO(164.53,	@	@	@	@	@	@
164.55	ONC CS LYMPH NODES	^ONCO(164.55,	@	@	@	@	@	@
164.6	TYPE OF STAGING SYSTEM (PEDIATRIC)	^ONCO(164.6,	@	@	@	@	@	@
164.7	RADIATION TREATMENT VOLUME	^ONCO(164.7,	@	@	@	@	@	@
164.8	RADIATION COMPLETION	^ONCO(164.8,	@	@	@	@	@	@
164.81	ONCO RADIATION							
164.82	ONCO RADIATION							
164.83	ONCO RADIATION							
164.84	ONCO RADIATION STATUS							
164.9	WHO HISTOLOGICAL CLASSIFICATION	^ONCO(164.9,	@	@	@	@	@	@
165	ONCOLOGY CONTACT	^ONCO(165,						
165.1	FOLLOW-UP FORM LETTER	^ONCO(165.1,						
165.2	GEOCODES	^ONCO(165.2,						
165.3	CLASS OF CASE	^ONCO(165.3,	@	@	@	@	@	@
165.5	ONCOLOGY PRIMARY	^ONCO(165.5,						
165.55	CONVERSION FLAGS	^ONCO(165.55,	@	@	@	@	@	@
165.59	COMPUTED PRIMARY	^ONCO(165.59,	@	@	@	@	@	@
165.7	ONCOLOGY STAGED BY CODES	^ONCO(165.7,						
165.8	AJCC STAGING CHAPTERS	^ONCO(165.8,	@	@	@	@	@	@
165.9	ONCOLOGY EOD SCHEMAS	^ONCO(165.9,	@	@	@	@	@	@
166	CASEFINDING SOURCE	^ONCO(166,	@	@	@	@	@	@
166.13	REGIONAL TREATMENT MODALITY	^ONCO(166.13,	@	@	@	@	@	@
166.3	ONCOLOGY SUBSITE	^ONCO(166.3,	@	@	@	@	@	@
167	HEMATOLOGIC TRANSPLANT/ ENDOCRINE PROCEDURES	^ONCO(167,	@		@	@	@	@
167.1	ONCO BRAIN MOLECULAR MARK	^ONCO(167.1,	@	@	@	@	@	@
167.2	GLEASON PATTERNS	^ONCO(167.2,	@	@	@	@	@	@
167.3	ONCO LN STATUS	^ONCO(167.3,	@	@	@	@	@	@
167.4	ONCO PERIPHERAL BLOOD INV	^ONCO(167.4,	@	@	@	@	@	@
167.5	ONCO RESIDUAL TUMOR VOLUME	^ONCO(167.5,	@	@	@	@	@	@
167.6	ONCO NEOADJUVANT TX EFFECT	^ONCO(167.6,	@	@	@	@	@	@
168	TYPE OF REPORTING SOURCE	^ONCO(168,	@	@	@	@	@	@
169	ICDO-1 TOPOGRAPHY	^ONCO(169,						
169.08	ICDO-1 SITES	^ONCO(169.08,						
169.1	ICDO-1 MORPHOLOGY	^ONCO(169.1,						
169.2	ICDO-1 SITE FOR ONCOLOGY	^ONCO(169.2,						
169.3	ICD-O-3 MORPHOLOGY	^ONCO(169.3,	@	@	@	@	@	@
169.99	ONCOLOGY PACKAGE STATUS	^ONCO(169.99,	@	@	@	@	@	@

j. Technical References.

There are several reference materials used for this package:

1. Registry Operations and Data Standards (ROADS) Manual
2. AJCC Cancer Staging Manual
3. SEER Extent of Disease Codes and Coding Instructions
4. International Classification of Diseases for Oncology
5. Standards for Oncology Registry Entry (STORE) Manual

k. Official Policies.

There are no special official policies for this package.

13. Appendix A – Upgrading NAACCR Versions

Whenever a new NAACCR Version is implemented, the following steps need to be taken:

- 1) Obtain an updated library file generated by the “Veterans Administration” user
- 2) Log into VHAWASCCAonc.v05.med.va.gov with administrator rights
- 3) Make a zip file of the full web server working folder and store in a safe location:
 - a. (TEST): D:\RockyMountain\wwwroot\OncoTrax_TEST\
 - b. (PROD): D:\RockyMountain\wwwroot\OncoTrax_PROD\
- 4) Install the new version definition file
 - a. Delete the existing metafile.rmf file in the cgi-bin folder
(D:\RockyMountain\wwwroot\OncoTrax_<ENV>\cgi_bin\)
 - b. Copy the new .rmf file into the folder above
 - c. Make a copy of this file and rename to “metafile.rmf”
- 5) Restart the website

14. Glossary

Abstract	A summary of pertinent information about the patient, the cancer, the treatment, and outcome. To compile the essential data on a case.
Accession Register	An annual, sequential listing of all cases entered the registry.
Accession number	A number unique to the patient which identifies the patient by the year diagnosed and, in the order, he was identified by the registry.
Accession Year	The year in which the patient was first seen at the reporting institution for the primary.
ACoS	American College of Surgeons.
ACoS number	A number assigned to facilities by the American College of Surgeons.
ADPAC	Designated individual responsible for user-level management and maintenance of an application package such as Oncology.
AJCC	American Joint Commission on Cancer.
Analytic case	A case which was diagnosed at your facility or cases in which all or part of the first course of therapy was given at your facility after your reference date.
Automatic case finding	The electronic capture of cases meeting the defined criteria.
BRM	Biological Response Modifier. This is a generic term given to all chemical or biological agents which alter the immune system or the defense mechanism.
Case finding	A systematic method of locating all eligible cases.
Central Registry Number	The registry number assigned by the state central registry where applicable.
Device	As used in this document, a printer or computer screen to which a display/report is sent.
DINUM	This input variable identifies the subscript at which the data is to be stored. This means DINUM must be a canonic number and that no data exists in the global at that subscript location.
ERA	Estrogen Receptor Assay is a tumor marker for breast cancer.
Gleason's Grade	A system for assigning differentiation scores to prostate tissue specimens. The higher the pattern score, the worse the prognosis.
ICD-O	International Classification of Diseases for Oncology.
ICD-9 CM	International Classification of Diseases, Clinical Modification, 9 th Revision. Used to code death information.
Institution ID Number	The registry number assigned by the American College of Surgeons. It is used to define the registry in the ACoS Call for Data.

LTF	Lost to Follow-up. This condition occurs when no contact has been made in over 15 months.
Non-Analytic case	A case involving a patient who was diagnosed elsewhere and treated elsewhere or was diagnosed and treated prior to the reference date at your facility. These patients are excluded from the survival statistics.
PRA	Progesterone Receptor Assay is a tumor marker for breast cancer.
Primary	Refers to a specific anatomical site with malignancy.
PTF	Patient Treatment File.
Reference date	Starting date after which all cases are entered into the registry. It is established as January 1 of a given year.
SEER	Surveillance, Epidemiology and End Results Program.
Sequence number	A number which relates to the independent primary malignancies that occur in the same individual.
State Hospital Number	The number assigned by the state to your medical center.
Template	A computerized filter created to screen information and later print the information in a specific format.
Tumor marker	Medical laboratory examinations of material that may be indicative of presence of malignancy.
VA FileMan	The VA file management program used to maintain, access, and manipulate data in a file.
Suspense, being in	Having a date in the Suspense Date field in the Oncology Patient file #160. Cases remain in suspense until they are accessioned for abstracting or manually deleted.